

Nikolaos Donos

List of Publications by Citations

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122
papers

5,816
citations

43
h-index

74
g-index

130
ext. papers

7,101
ext. citations

5
avg, IF

5.92
L-index

#	Paper	IF	Citations
122	Guided Bone Regeneration: biological principle and therapeutic applications. <i>Clinical Oral Implants Research</i> , 2010 , 21, 567-76	4.8	340
121	Early osseointegration to hydrophilic and hydrophobic implant surfaces in humans. <i>Clinical Oral Implants Research</i> , 2011 , 22, 349-56	4.8	288
120	Primary prevention of periodontitis: managing gingivitis. <i>Journal of Clinical Periodontology</i> , 2015 , 42 Suppl 16, S71-6	7.7	253
119	Modified titanium surfaces promote accelerated osteogenic differentiation of mesenchymal stromal cells in vitro. <i>Bone</i> , 2009 , 45, 17-26	4.7	225
118	Clinical outcomes of implants following lateral bone augmentation: systematic assessment of available options (barrier membranes, bone grafts, split osteotomy). <i>Journal of Clinical Periodontology</i> , 2008 , 35, 173-202	7.7	208
117	Treatment of stage I-III periodontitis-The EFP S3 level clinical practice guideline. <i>Journal of Clinical Periodontology</i> , 2020 , 47 Suppl 22, 4-60	7.7	192
116	Alveolar ridge preservation with guided bone regeneration and a synthetic bone substitute or a bovine-derived xenograft: a randomized, controlled clinical trial. <i>Clinical Oral Implants Research</i> , 2010 , 21, 688-98	4.8	185
115	Healing of human intrabony defects following treatment with enamel matrix proteins or guided tissue regeneration. <i>Journal of Periodontal Research</i> , 1999 , 34, 310-22	4.3	184
114	Systematic review of implant outcomes in treated periodontitis subjects. <i>Journal of Clinical Periodontology</i> , 2008 , 35, 438-62	7.7	155
113	Alveolar ridge preservation. A systematic review. <i>Clinical Oral Investigations</i> , 2013 , 17, 341-63	4.2	138
112	Systemic effects of periodontitis treatment in patients with type 2 diabetes: a 12 month, single-centre, investigator-masked, randomised trial. <i>Lancet Diabetes and Endocrinology</i> , 2018 , 6, 954-965	18.1	137
111	Implant survival and complications. The Third EAO consensus conference 2012. <i>Clinical Oral Implants Research</i> , 2012 , 23 Suppl 6, 63-5	4.8	125
110	Gene expression profile of osseointegration of a hydrophilic compared with a hydrophobic microrough implant surface. <i>Clinical Oral Implants Research</i> , 2011 , 22, 365-72	4.8	119
109	Twenty years of enamel matrix derivative: the past, the present and the future. <i>Journal of Clinical Periodontology</i> , 2016 , 43, 668-83	7.7	119
108	Treatment of intrabony defects with enamel matrix proteins and guided tissue regeneration. A prospective controlled clinical study. <i>Journal of Clinical Periodontology</i> , 2001 , 28, 397-403	7.7	118
107	Subgingival microbiota in health compared to periodontitis and the influence of smoking. <i>Frontiers in Microbiology</i> , 2015 , 6, 119	5.7	113
106	A systematic review on the critical size defect model. <i>Clinical Oral Implants Research</i> , 2014 , 25, 879-93	4.8	113

105	The role of bone debris in early healing adjacent to hydrophilic and hydrophobic implant surfaces in man. <i>Clinical Oral Implants Research</i> , 2011 , 22, 357-64	4.8	107
104	Comparison of enamel matrix proteins and bioabsorbable membranes in the treatment of intrabony periodontal defects. A split-mouth study. <i>Journal of Periodontology</i> , 1999 , 70, 255-62	4.6	103
103	Effect of GBR in combination with deproteinized bovine bone mineral and/or enamel matrix proteins on the healing of critical-size defects. <i>Clinical Oral Implants Research</i> , 2004 , 15, 101-11	4.8	92
102	Does ridge preservation following tooth extraction improve implant treatment outcomes: a systematic review: Group 4: Therapeutic concepts & methods. <i>Clinical Oral Implants Research</i> , 2015 , 26 Suppl 11, 180-201	4.8	83
101	Hard and soft tissue changes following alveolar ridge preservation: a systematic review. <i>Clinical Oral Implants Research</i> , 2017 , 28, 982-1004	4.8	79
100	Alveolar ridge augmentation using a resorbable copolymer membrane and autogenous bone grafts. An experimental study in the rat. <i>Clinical Oral Implants Research</i> , 2002 , 13, 203-13	4.8	78
99	Transcriptional profiling of osseointegration in humans. <i>Clinical Oral Implants Research</i> , 2011 , 22, 373-81	4.8	74
98	Biomaterials and regenerative technologies used in bone regeneration in the craniomaxillofacial region: Consensus report of group 2 of the 15th European Workshop on Periodontology on Bone Regeneration. <i>Journal of Clinical Periodontology</i> , 2019 , 46 Suppl 21, 82-91	7.7	65
97	Tooth loss in molars with and without furcation involvement - a systematic review and meta-analysis. <i>Journal of Clinical Periodontology</i> , 2016 , 43, 156-66	7.7	62
96	Effect of diabetes and metabolic control on de novo bone formation following guided bone regeneration. <i>Clinical Oral Implants Research</i> , 2010 , 21, 71-9	4.8	61
95	The enhanced modulation of key bone matrix components by modified Titanium implant surfaces. <i>Bone</i> , 2012 , 50, 1-8	4.7	60
94	Long-term stability of autogenous bone grafts following combined application with guided bone regeneration. <i>Clinical Oral Implants Research</i> , 2005 , 16, 133-9	4.8	59
93	Tooth loss in aggressive periodontitis: a systematic review. <i>Journal of Dental Research</i> , 2013 , 92, 868-75	8.1	58
92	Periodontal infectogenomics. <i>Journal of Medical Microbiology</i> , 2009 , 58, 1269-1274	3.2	58
91	In vivo gene expression profile of guided bone regeneration associated with a microrough titanium surface. <i>Clinical Oral Implants Research</i> , 2011 , 22, 390-8	4.8	56
90	Bone formation by enamel matrix proteins and xenografts: an experimental study in the rat ramus. <i>Clinical Oral Implants Research</i> , 2005 , 16, 140-6	4.8	55
89	Experimental model for bone regeneration in oral and cranio-maxillo-facial surgery. <i>Journal of Investigative Surgery</i> , 2014 , 27, 32-49	1.2	53
88	Transcriptional profiling of "guided bone regeneration" in a critical-size calvarial defect. <i>Clinical Oral Implants Research</i> , 2011 , 22, 382-9	4.8	50

87	A systematic review of implant outcomes in treated periodontitis patients. <i>Clinical Oral Implants Research</i> , 2016 , 27, 787-844	4.8	48
86	Genetic dysbiosis: the role of microbial insults in chronic inflammatory diseases. <i>Journal of Oral Microbiology</i> , 2014 , 6,	6.3	48
85	Experimental models for guided bone regeneration in healthy and medically compromised conditions. <i>Periodontology 2000</i> , 2015 , 68, 99-121	12.9	47
84	A systematic review on the association between genetic predisposition and dental implant biological complications. <i>Clinical Oral Implants Research</i> , 2012 , 23, 775-88	4.8	46
83	Alveolar ridge augmentation by combining autogenous mandibular bone grafts and non-resorbable membranes. <i>Clinical Oral Implants Research</i> , 2002 , 13, 185-91	4.8	44
82	The effect of SLActive surface in guided bone formation in osteoporotic-like conditions. <i>Clinical Oral Implants Research</i> , 2011 , 22, 406-15	4.8	43
81	Augmentation of the mandible with GTR and onlay cortical bone grafting. An experimental study in the rat. <i>Clinical Oral Implants Research</i> , 2002 , 13, 175-84	4.8	43
80	The effect of postsurgical antibiotics on the healing of intrabony defects following treatment with enamel matrix proteins. <i>Journal of Periodontology</i> , 2001 , 72, 190-5	4.6	43
79	What is the effect of soft tissue thickness on crestal bone loss around dental implants? A systematic review. <i>Clinical Oral Implants Research</i> , 2017 , 28, 1046-1053	4.8	41
78	Association between overweight/obesity and increased risk of periodontitis. <i>Journal of Clinical Periodontology</i> , 2015 , 42, 733-739	7.7	40
77	Augmentation of the rat jaw with autogeneic cortico-cancellous bone grafts and guided tissue regeneration. <i>Clinical Oral Implants Research</i> , 2002 , 13, 192-202	4.8	40
76	Effects of fixed vs removable orthodontic retainers on stability and periodontal health: 4-year follow-up of a randomized controlled trial. <i>American Journal of Orthodontics and Dentofacial Orthopedics</i> , 2018 , 154, 167-174.e1	2.1	39
75	Hierarchical decisions on teeth vs. implants in the periodontitis-susceptible patient: the modern dilemma. <i>Periodontology 2000</i> , 2012 , 59, 89-110	12.9	37
74	Evaluation of gingival blood flow by the use of laser Doppler flowmetry following periodontal surgery. A pilot study. <i>Journal of Periodontal Research</i> , 2005 , 40, 129-37	4.3	37
73	Gingival blood flow changes following periodontal access flap surgery using laser Doppler flowmetry. <i>Journal of Clinical Periodontology</i> , 2007 , 34, 437-43	7.7	36
72	The adjunctive use of host modulators in non-surgical periodontal therapy. A systematic review of randomized, placebo-controlled clinical studies. <i>Journal of Clinical Periodontology</i> , 2020 , 47 Suppl 22, 199-238	7.7	36
71	Differential effect of amelogenin peptides on osteogenic differentiation in vitro: identification of possible new drugs for bone repair and regeneration. <i>Tissue Engineering - Part A</i> , 2012 , 18, 1193-202	3.9	33
70	Accuracy of single molecular biomarkers in saliva for the diagnosis of periodontitis: A systematic review and meta-analysis. <i>Journal of Clinical Periodontology</i> , 2020 , 47, 2-18	7.7	31

69	The effect of diabetes on bone formation following application of the GBR principle with the use of titanium domes. <i>Clinical Oral Implants Research</i> , 2013 , 24, 28-35	4.8	29
68	The effect of loading in regenerated bone in dehiscence defects following a combined approach of bone grafting and GBR. <i>Clinical Oral Implants Research</i> , 2012 , 23, 591-601	4.8	29
67	Maxillary sinus augmentation with leukocyte and platelet-rich fibrin and deproteinized bovine bone mineral: A split-mouth histological and histomorphometric study. <i>Clinical Oral Implants Research</i> , 2018 , 29, 67-75	4.8	28
66	A retrospective study on periodontal disease progression in private practice. <i>Journal of Clinical Periodontology</i> , 2017 , 44, 290-297	7.7	27
65	Accuracy of single molecular biomarkers in gingival crevicular fluid for the diagnosis of periodontitis: A systematic review and meta-analysis. <i>Journal of Clinical Periodontology</i> , 2019 , 46, 1166-1182	7.7	26
64	Gingival biotype revisited-novel classification and assessment tool. <i>Clinical Oral Investigations</i> , 2018 , 22, 443-448	4.2	26
63	Mitochondrial oxidative stress, endothelial function and metabolic control in patients with type II diabetes and periodontitis: A randomised controlled clinical trial. <i>International Journal of Cardiology</i> , 2018 , 271, 263-268	3.2	25
62	Degradation pattern of a porcine collagen membrane in an in vivo model of guided bone regeneration. <i>Journal of Periodontal Research</i> , 2018 , 53, 430-439	4.3	24
61	Pro-osteogenic properties of hydrophilic and hydrophobic titanium surfaces: Crosstalk between signalling pathways in in vivo models. <i>Journal of Periodontal Research</i> , 2018 , 53, 598-609	4.3	23
60	The effect of experimental osteoporosis on bone regeneration: Part 1, histology findings. <i>Clinical Oral Implants Research</i> , 2017 , 28, e101-e110	4.8	23
59	Effect of immediate or delayed loading following immediate placement of implants with a modified surface. <i>Clinical Oral Implants Research</i> , 2011 , 22, 38-46	4.8	21
58	The effect of furcation involvement on tooth loss in a population without regular periodontal therapy. <i>Journal of Clinical Periodontology</i> , 2017 , 44, 813-821	7.7	20
57	The effect of horizontal and vertical furcation involvement on molar survival: A retrospective study. <i>Journal of Clinical Periodontology</i> , 2018 , 45, 373-381	7.7	20
56	Peri-implant and periodontal microbiome diversity in aggressive periodontitis patients: a pilot study. <i>Clinical Oral Implants Research</i> , 2017 , 28, 558-570	4.8	19
55	Osteoporotic Animal Models of Bone Healing: Advantages and Pitfalls. <i>Journal of Investigative Surgery</i> , 2017 , 30, 342-350	1.2	19
54	Differences in the periodontal microbiome of successfully treated and persistent aggressive periodontitis. <i>Journal of Clinical Periodontology</i> , 2020 , 47, 980-990	7.7	19
53	An in vitro study on disinfection of titanium surfaces. <i>Clinical Oral Implants Research</i> , 2016 , 27, 1227-1232	4.8	19
52	<i>Aggregatibacter actinomycetemcomitans</i> serotype prevalence and antibiotic resistance in a UK population with periodontitis. <i>Journal of Global Antimicrobial Resistance</i> , 2017 , 10, 54-58	3.4	18

51	Osseointegration in osteoporotic-like condition: A systematic review of preclinical studies. <i>Journal of Periodontal Research</i> , 2018 , 53, 933-940	4.3	18
50	Microarray gene expression during early healing of GBR-treated calvarial critical size defects. <i>Clinical Oral Implants Research</i> , 2017 , 28, 1248-1257	4.8	17
49	The effect of experimental diabetes and glycaemic control on guided bone regeneration: histology and gene expression analyses. <i>Clinical Oral Implants Research</i> , 2018 , 29, 139-154	4.8	17
48	The use of bioactive factors to enhance bone regeneration: A narrative review. <i>Journal of Clinical Periodontology</i> , 2019 , 46 Suppl 21, 124-161	7.7	17
47	Empirical or microbiologically guided systemic antimicrobials as adjuncts to non-surgical periodontal therapy? A systematic review. <i>Journal of Clinical Periodontology</i> , 2019 , 46, 999-1012	7.7	16
46	The effect of experimental osteoporosis on bone regeneration: part 2, proteomics results. <i>Clinical Oral Implants Research</i> , 2017 , 28, e135-e145	4.8	16
45	The use of human hypertrophic chondrocytes-derived extracellular matrix for the treatment of critical-size calvarial defects. <i>Clinical Oral Implants Research</i> , 2011 , 22, 1346-53	4.8	16
44	Experimental models for contamination of titanium surfaces and disinfection protocols. <i>Clinical Oral Implants Research</i> , 2016 , 27, 1233-1242	4.8	16
43	Protein expression during early stages of bone regeneration under hydrophobic and hydrophilic titanium domes. A pilot study. <i>Journal of Periodontal Research</i> , 2018 , 53, 174-187	4.3	16
42	GTR with bioresorbable membranes in the treatment of intrabony defects: a clinical and histologic study. <i>International Journal of Periodontics and Restorative Dentistry</i> , 1999 , 19, 501-9	2.1	16
41	Radiographic outcomes following treatment of intrabony defect with guided tissue regeneration in aggressive periodontitis. <i>Clinical Oral Investigations</i> , 2016 , 20, 1227-35	4.2	15
40	Guided bone regeneration in osteoporotic conditions following treatment with zoledronic acid. <i>Clinical Oral Implants Research</i> , 2017 , 28, 362-371	4.8	15
39	Drugs and diseases: Summary and consensus statements of group 1. The 5 EAO Consensus Conference 2018. <i>Clinical Oral Implants Research</i> , 2018 , 29 Suppl 18, 93-99	4.8	14
38	Anemia of inflammation associated with periodontitis: Analysis of two clinical studies. <i>Journal of Periodontology</i> , 2019 , 90, 1252-1259	4.6	13
37	Treatment of intrabony defects with guided tissue regeneration in aggressive periodontitis: clinical outcomes at 6 and 12 months. <i>Clinical Oral Investigations</i> , 2016 , 20, 1217-25	4.2	12
36	Association of oral health-related quality of life measures with aggressive and chronic periodontitis. <i>Journal of Periodontal Research</i> , 2020 , 55, 574-580	4.3	12
35	The use of omics profiling to improve outcomes of bone regeneration and osseointegration. How far are we from personalized medicine in dentistry?. <i>Journal of Proteomics</i> , 2018 , 188, 85-96	3.9	11
34	Differences in the subgingival microbial population of chronic periodontitis in subjects with and without type 2 diabetes mellitus-a systematic review. <i>Clinical Oral Investigations</i> , 2018 , 22, 2743-2762	4.2	11

33	Obesity as predictive factor of periodontal therapy clinical outcomes: A cohort study. <i>Journal of Clinical Periodontology</i> , 2020 , 47, 594-601	7.7	10
32	The role of immediate provisional restorations on implants with a hydrophilic surface: A randomised, single-blind controlled clinical trial. <i>Clinical Oral Implants Research</i> , 2018 , 29, 55-66	4.8	9
31	Effect of Wnt3a delivery on early healing events during guided bone regeneration. <i>Clinical Oral Implants Research</i> , 2017 , 28, 283-290	4.8	8
30	Periodontal status of children with primary immunodeficiencies: a systematic review. <i>Clinical Oral Investigations</i> , 2020 , 24, 1939-1951	4.2	8
29	Minimally invasive non-surgical vs. surgical approach for periodontal intrabony defects: a randomised controlled trial. <i>Trials</i> , 2019 , 20, 461	2.8	7
28	Prevalence and treatment of necrotizing ulcerative gingivitis (NUG) in the British Armed Forces: a case-control study. <i>Clinical Oral Investigations</i> , 2017 , 21, 1935-1944	4.2	7
27	Evaluation of the effectiveness of a tailored mobile application in increasing the duration of wear of thermoplastic retainers: a randomized controlled trial. <i>European Journal of Orthodontics</i> , 2020 , 42, 571-579	3.3	7
26	BSP implementation of European S3 - level evidence-based treatment guidelines for stage I-III periodontitis in UK clinical practice. <i>Journal of Dentistry</i> , 2021 , 106, 103562	4.8	7
25	Proteomic and Transcriptomic Approaches for Studying Bone Regeneration in Health and Systemically Compromised Conditions. <i>Proteomics - Clinical Applications</i> , 2020 , 14, e1900084	3.1	6
24	Development and validation of a multiplex bead assay for measuring growth mediators in wound fluid. <i>Analyst, The</i> , 2010 , 135, 182-8	5	6
23	Immediate provisionalization of bone level implants with a hydrophilic surface. A five-year follow-up of a randomized controlled clinical trial. <i>Clinical Oral Implants Research</i> , 2019 , 30, 139-149	4.8	6
22	Expression of growth mediators in the gingival crevicular fluid of patients with aggressive periodontitis undergoing periodontal surgery. <i>Clinical Oral Investigations</i> , 2019 , 23, 3307-3318	4.2	6
21	Has the quality of reporting in periodontology changed in 14 years? A systematic review. <i>Journal of Clinical Periodontology</i> , 2016 , 43, 833-8	7.7	5
20	The role of strontium ranelate and guided bone regeneration in osteoporotic and healthy conditions. <i>Journal of Periodontal Research</i> , 2021 , 56, 330-338	4.3	5
19	Left ventricular geometry and periodontitis in patients with the metabolic syndrome. <i>Clinical Oral Investigations</i> , 2019 , 23, 2695-2703	4.2	5
18	Blood flow changes using a 3D xenogeneic collagen matrix or a subepithelial connective tissue graft for root coverage procedures: a pilot study. <i>Clinical Oral Investigations</i> , 2018 , 22, 1697-1705	4.2	4
17	Atypical Mesenchymal Stromal Cell Responses to Topographic Modifications of Titanium Biomaterials Indicate Cytoskeletal- and Genetic Plasticity-Based Heterogeneity of Cells. <i>Stem Cells International</i> , 2019 , 2019, 5214501	5	4
16	Expression of inflammatory biomarkers and growth factors in gingival crevicular fluid at different healing intervals following non-surgical periodontal treatment: A systematic review. <i>Journal of Periodontal Research</i> , 2020 , 55, 801-809	4.3	4

15	Repeated delivery of chlorhexidine chips for the treatment of peri-implantitis: A multicenter, randomized, comparative clinical trial. <i>Journal of Periodontology</i> , 2021 , 92, 11-20	4.6	4
14	Systematic review and meta-analysis on the adjunctive use of host immune modulators in non-surgical periodontal treatment in healthy and systemically compromised patients. <i>Scientific Reports</i> , 2021 , 11, 12125	4.9	3
13	Association between circulating levels of heat-shock protein 27 and aggressive periodontitis. <i>Cell Stress and Chaperones</i> , 2018 , 23, 847-856	4	3
12	Regenerative Therapy of Furcation Involvements in Preclinical Models 2018 , 105-135		3
11	Expression of gingival crevicular fluid markers during early and late healing of intrabony defects after surgical treatment: a systematic review. <i>Clinical Oral Investigations</i> , 2020 , 24, 487-502	4.2	2
10	A long-lasting guided bone regeneration membrane from sequentially functionalised photoactive atelocollagen.. <i>Acta Biomaterialia</i> , 2021 ,	10.8	1
9	Patterns of subgingival microbiota in different periodontal phenotypes. <i>Journal of Dentistry</i> , 2021 , 1039128	4.2	1
8	Impact of timing of dental implant placement and loading: Summary and consensus statements of group 1-The 6th EAO Consensus Conference 2021. <i>Clinical Oral Implants Research</i> , 2021 , 32 Suppl 21, 85-92	4.8	1
7	Treatment of intrabony periodontal defects in controlled diabetic patients with an enamel matrix derivative: a split-mouth randomized clinical trial. <i>Clinical Oral Investigations</i> , 2021 , 1	4.2	1
6	Leukocyte receptor expression in chronic periodontitis. <i>Clinical Oral Investigations</i> , 2016 , 20, 2559-2564	4.2	1
5	The Role of Osteopromotive Membranes in Guided Bone Regeneration 2020 , 69-93		1
4	The effect of a behavioural management tool in adults with mild to moderate periodontitis. A single-blind, randomized controlled trial. <i>Journal of Periodontal Research</i> , 2021 , 56, 46-57	4.3	0
3	Analysis of gingival crevicular fluid biomarkers in patients with metabolic syndrome.. <i>Journal of Dentistry</i> , 2022 , 118, 104065	4.8	
2	Periodontal status in children with primary immunodeficiencies. <i>Journal of Periodontal Research</i> , 2021 , 56, 819-827	4.3	
1	Public involvement in research: exploring periodontal and peri-implant health and disease in partnership with Perio@RLH patient forum members.. <i>British Dental Journal</i> , 2022 , 232, 371-374	1.2	